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Concluded

- (b) a substrate;
- (c) an electrode structure which generates said electric field having a component predominantly parallel to the surface of said liquid crystal layer;
- (d) a polarizer in optical relation with said liquid crystal layer;
- (e) a voltage source or a current source connected to said electrode structure; and
- (f) an orientation layer, in contact with at least one surface of said liquid crystal layer, which aligns the liquid crystal molecules in a direction whereby they have an orientation angle β_0 , $0^\circ < \beta_0 < 90^\circ$.

99 ~~120~~. An electro-optical device of claim ~~44~~, ~~63~~ or ~~119~~, wherein said liquid crystal molecules have an orientation angle $\beta_0 > 50^\circ$ or $\beta_0 < 40^\circ$.

99 ~~121~~. An electro-optical device of claim ~~44~~, ~~63~~ or ~~119~~, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 60^\circ$ or $\beta_0 \leq 30^\circ$.

100 ~~122~~. An electro-optical device of claim ~~44~~, ~~63~~ or ~~119~~, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 65^\circ$ or $\beta_0 \leq 25^\circ$.

101 ~~123~~. An electro-optical device of claim ~~44~~, ~~63~~ or ~~119~~, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 70^\circ$ or $\beta_0 \leq 20^\circ$.

102 ~~124~~. An electro-optical device of claim ~~44~~, ~~63~~ or ~~119~~, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 75^\circ$ or $\beta_0 \leq 15^\circ$.--

REMARKS

The foregoing amendments merely add new dependent claims and make independent certain dependent claims which have previously been allowed by the examiner. Thus, they provide more thorough protection for the underlying important invention.

The following is provided in hopes of expediting the examiner's review of the foregoing amendments.

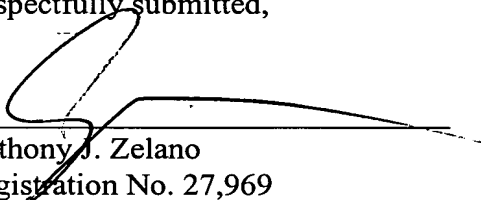
In the amendment of July 7, allowed claim 36 was incorporated into claims 20 and 90. This rendered all other claims allowable since all others were either already allowed as independent claims or became dependent on the new independent claims 20 and 90.

The foregoing amendments take previously allowed dependent claims (i.e., before the amendment of July 7) and place them into independent form. Thus, they clearly are allowable in their new form. These are claims 44 and 63.

The new dependencies introduced into claims 21-35, 38 and 39 also introduce no new issues since all claims which are referenced in them are themselves allowable. As for the new claims, all but one of these are dependent claims and thus are clearly allowable. The new independent claim 135 corresponds to allowed claim 44 and is patentable for the same reasons as claim 44. It differs from claim 44 by recitation of a current source in addition to a voltage source in item (e).

The language of the new claims is fully supported in the specification for the same reasons that the language of analogous claims was supported. The specific values of β_0 recited in claims such as claims 97-104 are supported under the same legal doctrine previously discussed, e.g., see pages 14-15 of the amendment of April 14, 1997.

Respectfully submitted,



Anthony J. Zelano
Registration No. 27,969
Attorney for Applicants

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
Arlington Courthouse Plaza 1
2200 Clarendon Blvd., Suite 1400
Arlington, Virginia 22201
(703) 812-5311 [Direct Dial]
Internet Address: zelano@mwzb.com

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